

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended) A method of preparing gypsum wallboard comprising the steps of;
 - a) combining calcium sulfate sulphate hemihydrate (stucco) with water to form an aqueous slurry,
 - b) adding uncalcined gypsum calcium sulfate dihydrate particles of desulphogypsum (DSG) to said slurry,
 - c) discharging b) discharging the slurry onto a support so as to form a sheet of gypsum board wherein said uncalcined gypsum has calcium sulfate dihydrate DSG particles have a specific surface area within a range of from 0.1 and below 0.3 m²/g and has have a particle size distribution within the range of 0.1 to 1000 microns.
2. (currently amended) A method of preparing gypsum wallboard as claimed in claim 1 wherein said uncalcined gypsum has calcium sulfate dihydrate DSG particles have a specific surface area within a range of 0.1 to 0.299m²/g.
3. (currently amended) A method of preparing gypsum wallboard as claimed in claim 1 wherein said uncalcined gypsum has calcium sulfate dihydrate DSG particles have a specific surface area within a range of 0.1 to 0.2m²/g.

4. (currently amended) A method of preparing gypsum wallboard as claimed in claim 1 wherein the uncalcined gypsum calcium sulfate dihydrate is dried before being added to said slurry.

5. (currently amended) A method of preparing gypsum wallboard as claimed in claim 1 wherein the uncalcined gypsum calcium sulfate dihydrate is mixed with water and added to the stucco and water mixture as a slurry.

6. (currently amended) A method of preparing gypsum wallboard as claimed in any one of the preceding claims wherein the calcium sulfate dihydrate uncalcined gypsum is present within the range of about 10 to 25% w:w of the calcium sulfate sulphate hemihydrate.

7. (currently amended) A method of preparing gypsum wallboard as claimed in any one of claims 1 to claim 6 wherein the calcium sulfate dihydrate uncalcined gypsum is present within the range of about 10 to 25% w:w of the calcium sulfate sulphate hemihydrate.

8. (cancelled)

9. (currently amended) A method of preparing gypsum wallboard as claimed in claim 6 any one of the preceding claims 1 to 7 wherein the calcium sulfate dihydrate uncalcined gypsum is present in the composition in an amount of about 20% by w:w of the calcium sulphate sulfate hemihydrate.

10. (cancelled)

11. (cancelled)

12. (currently amended) A method according to claim 6 any one of the preceding claims wherein existing gypsum wallboard is crushed to a suitable size and added to the slurry to provide additional bulk to the wallboard mixture.

13. (currently amended) A cementitious composition for gypsum wallboard, the composition comprising a mixture of stucco calcium sulfate hemihydrate (stucco), water and desulphurisation gypsum calcium sulfate dihydrate particles of desulphogypsum (DSG) wherein the calcium sulfate dihydrate DSG particles have a specific surface area of at least some of the desulphurisation gypsum is within a range of from 0.1 and below 0.3 m²/g and has have a particle size distribution within the range of 0.1 to 1000 microns.

14. (cancelled)

15. (currently amended) A cementitious composition according to claim 13 claims 13 or 14 wherein the desulphurisation gypsum is DSG particles are present in the composition in an amount of about 5 to 50% w:w of the stucco.

16. (currently amended) A cementitious composition according to claims 13 or 14 claim 13 wherein the desulphurisation gypsum is DSG particles are present in the composition within the range of about 10-30% w:w of the stucco.

17. (currently amended) A cementitious composition according to claim 13 claims 13 or 14 wherein the desulphurisation gypsum is DSG particles are present in the composition within the range of about 10-20% w:w of the stucco.

18. (currently amended) A cementitious composition according to claim 13 claims 13 or 14 wherein the desulphurisation gypsum is DSG particles are present in the composition in an amount of about 20% w:w of the stucco.

19. (currently amended) A cementitious composition according to any one of the claims 13, 15 to 18 to 18 further comprising existing wallboard crushed or milled and added to the slurry to provide additional bulk to the wallboard mixture.

20. (cancelled)

21. (original) A cementitious wallboard produced by the method of claim 1.

22. (currently amended) A cementitious wallboard containing the cementitious composition of claim 10claim 13.